

### AIR HANDLING UNIT SCHEDULE

TAG	LOCATION	AIRFLOW (CFM)	MIN. OA (CFM)	MAX. OA (CFM)	SUPPLY FAN				EXHAUST FAN				ELECTRICAL REQUIREMENTS				HOT WATER COIL DATA (47% PROPYLENE GLYCOL)								COOLING DATA (47% PROPYLENE GLYCOL)												
					FAN TYPE	T.S.P. (IN. WG)	E.S.P. (IN. WG)	FAN DIA. (INCHES)	RPM	FAN TYPE	T.S.P. (IN. WG)	E.S.P. (IN. WG)	FAN DIA. (INCHES)	RPM	HP	BHP	V/PH/Hz	VFD	MBH	EAT 'F	LAT 'F	EWT 'F	LWT 'F	APD IN-W.C.	GPM	WPD FT-W.C.	TOTAL	SENS	FACE AREA	EAT DB/WB	LAT 'F	APD	EWT 'F	LWT 'F	GPM	WPD-FT	
AHU-5	MECH RM 508	8500	1400	8500	FC	3.82	2.0	18.25	1071	FC	.54	.50	20	448	10	8.6	2.2	460/3/60	YES	368.7	35	75.00	180.00	150.00	0.15	27.05	3.64	241.5	196.5	16.8	76/64	55	0.63	45	55	55.8	17.8
AHU-6	MECH RM 508	8590	1400	8500	FC	3.82	2.0	18.25	1071	FC	.54	.50	20	448	10	8.6	2.2	460/3/60	YES	368.7	35	75.00	180.00	150.00	0.15	27.05	3.64	241.5	196.5	16.8	76/64	55	0.63	45	55	55.8	17.8
AHU-6A ③	MECH RM 608	6500	1400	6500	FC	5.89	1.0	16.5	2474	FC	1.15	1.0	18.25	624	15	10	2.4	460/3/60	NO	164.5	45	75.00	180.00	150.00	0.08	12.07	1.35	251.4	179.3	14.2	76/64	55	0.74	35	46	71.5	30.27
AHU-6B ③	MECH RM 608	3200	600	3200	FC	4.0	2.0	10.5	2014	FC	.65	.50	12.25	777	5.0	3.7	0.9	460/3/60	NO	86.8	50	75.00	180.00	150.00	0.21	6.36	0.95	101.6	77.9	5.9	76/64	55	0.87	45	51	39.15	18.31
AHU-7	MECH RM 708	10000	7000	10000	FC	3.69	2.0	22.38	857	FC	.55	.50	22.38	397	10	9.4	2.5	460/3/60	YES	574.8	22	75.00	180.00	150.00	0.15	42.16	1.45	348.6	253.6	20.8	78/66	55	0.63	45	55	80.54	25.49

NOTES: ① VFD, IF REQ'D, BY DIV. 16. ② MINIMUM OA WILL BE DETERMINED BY CO2 SENSOR - THIS VALUE USED FOR COIL SIZING. ③ PART OF ADD ALT. #4. ④ AHU-6 WILL NOT BE INSTALLED IF ALT. #4 IS ACCEPTED.

### HOT WATER COIL SCHEDULE

TAG	SERVICE	AIR DATA				WATER DATA				MFG SIZE (HxL IN.)	ROWS	NOTES:	
		CFM	TEMP 'F	MAX APD (IN. WG)		MIN MBH	GPM	TEMP 'F	MAX WPD FT. HD				
HC-1	RM 619	2300	40	90	0.18	124.72	12.46	180	160	0.60	18"x30"	2	①
HC-2	OFFICE RM 618	600	40	90	0.28	32.53	3.25	180	160	0.05	12"x12"	2	①
HC-3	RMS 615-617	600	40	90	0.28	32.53	3.25	180	160	0.05	12"x12"	2	①
HC-4	RM 621	700	40	90	0.28	37.96	3.79	180	160	0.39	12"x12"	2	①
HC-5	RM 613	800	40	90	0.31	43.38	4.33	180	160	0.05	12"x15"	2	①
HC-6	RM 612	400	40	92.36	0.27	22.71	2.27	180	160	1.06	9"x9"	2	①
HC-7	RM 614	700	40	90	0.28	37.96	3.79	180	160	0.39	12"x12"	2	①
HC-8	RMS 622, 623	400	40	90	0.11	21.69	2.17	180	160	0.02	12"x12"	2	①

NOTES: ① PART OF ADD ALT. #4.

### AIR HANDLING UNIT SCHEDULE (CONTINUED)

TAG	SOUND SOURCE	MAXIMUM SOUND POWER (dB RE:10 <sup>-12</sup> WATTS) OCTAVE BAND AND CENTER FREQUENCY (HZ)								HORIZONTAL BLOWTHRU CONFIGURATION	CARBON FILTER	UPPER FILTER MIX. BOX	LOWER FILTER MIX. BOX	HEPA FILTER SECTION	SUPPLY FAN	RETURN PLENUM	EXHAUST FAN	ACCESS SECTION	HOT WATER COIL SECTION	COOLED WATER COIL SECTION	DISCHARGE PLENUM	DIFFUSER SECTION	
		1	2	3	4	5	6	7	8														
AHU-5	INLET	94	92	75	78	78	79	74	68														
AHU-6	INLET	94	92	75	78	78	79	74	68														
AHU-6A	INLET	89	87	77	79	76	76	71	65	④	④	2	3	9	7								
AHU-6B	INLET	81	82	75	65	68	72	65	53														
AHU-7	INLET	87	84	82	82	77	74	68	62														

NOTES: ③ CARBON FILTERS TO BE ADDED IN FUTURE. S=SOLID INNER WALL.

### PUMP SCHEDULE

TAG	LOCATION	SERVICE	GPM	HD (FT.)	BHP	ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	NOTES:	
						HP	RPM	VOLTS			
P-1	MECH ROOM 708	PRIMARY FHW HEATING	447	73.8	11.5	15	1760	480	3	TACO FE3010	① ②
P-2	MECH ROOM 708	PRIMARY FHW HEATING	447	73.8	11.5	15	1760	480	3	TACO FE3010	① ②
P-3	MECH ROOM 708	PRIMARY CHW COOLING	655	73	15.6	20	1760	480	3	TACO FE4010	① ②
P-4	MECH ROOM 708	PRIMARY CHW COOLING	655	73	15.6	20	1760	480	3	TACO FE4010	① ②
P-5	MECH ROOM B04	OSHER CHW COOLING	48	45	1.03	1.5	1750	480	3	TACO 1619	③
P-6	MECH ROOM B04	OSHER CHW COOLING	48	45	1.03	1.5	1750	480	3	TACO 1619	③
P-7	NOT USED										
P-8	NOT USED										
P-9	MECH ROOM 708A	ACH-4 CHW CIRC	48	45	1.03	1.5	1750	480	3	TACO 1619	④
P-10	MECH ROOM 708A	ACH-4 CHW-CIRC	48	45	1.03	1.5	1750	480	3	TACO 1619	④
P-11	MECH ROOM 708	BOILER INJECTION	68.4	24.6	.67	3/4	1750	480	3	TACO 1635	
P-12	MECH ROOM 708	BOILER INJECTION	68.4	24.6	.67	3/4	1750	480	3	TACO 1635	
P-13	MECH ROOM 708	BOILER INJECTION	68.4	24.6	.67	3/4	1750	480	3	TACO 1635	
P-14	MECH ROOM 708	BOILER INJECTION	68.4	24.6	.67	3/4	1750	480	3	TACO 1635	④

NOTES: ① REPLACES EXISTING ② PROVIDE PREMIUM EFFICIENCY MOTOR FOR VFD (BY DIV. 16) ③ EXISTING TO BE RETAINED & RE-BALANCED. ④ PUMPS TO BE ADDED AS PART OF ADD ALT. #4.

### VARIABLE AIR VOLUME (VAV) TERMINAL SCHEDULE

TAG	INLET SIZE	OUTLET SIZE	CFM MAX	CFM MIN	HEATING CFM	INLET STATIC PRESSURE MIN	APD MAX	HOT WATER HEATING COIL				TYPICAL UNIT MFG & MODEL NO.	NOTES:	
								MBH	EAT 'F	LAT. 'F	GPM 180 EWT			
VAV-510	10"	-	1800	1200	1200	-	0.43	45.55	55	90	2.98	0.47	TRANE VCWE W/HIGH CAP COIL	
VAV-511	10"	-	1700	1200	1200	-	0.43	45.55	55	90	2.98	0.47	TRANE VCWE W/HIGH CAP COIL	
VAV-512	10"	-	1300	800	800	-	0.21	30.37	55	90	1.73	0.91	TRANE VCWE	
VAV-513	8"	-	700	400	400	-	0.21	15.18	55	90	1.00	0.31	TRANE VCWE	
VAV-514	8"	-	1200	800	800	-	0.60	30.37	55	90	2.09	1.16	TRANE VCWE W/HIGH CAP COIL	
VAV-515	6"	-	500	350	350	-	0.25	13.29	55	90	1.00	1.22	TRANE VCWE	
VAV-516	5"	-	200	150	150	-	0.23	5.69	55	90	1.00	0.04	TRANE VCWE W/HIGH CAP COIL	
VAV-517	8"	-	1000	750	750	-	0.43	26.57	55	90	1.78	1.30	TRANE WHCC	
VAV-518	6"	-	400	300	300	-	0.17	11.39	55	90	1.00	0.69	TRANE VCWE	
VAV-610	12"	-	2240	1500	1500	-	0.34	56.94	55	90	3.10	0.53	TRANE VCWE W/HIGH CAP COIL	①
VAV-611	8"	-	600	400	400	-	0.21	15.18	55	90	1.00	0.31	TRANE VCWE	①
VAV-612	5"	-	200	150	150	-	0.23	5.69	55	90	1.00	0.04	TRANE VCWE W/HIGH CAP COIL	①
VAV-613	8"	-	900	400	400	-	0.21	15.18	55	90	1.00	0.31	TRANE VCWE	①
VAV-614	8"	-	1300	800	800	-	0.60	30.37	55	90	2.09	1.16	TRANE VCWE W/HIGH CAP COIL	①
VAV-615	8"	-	1300	800	800	-	0.60	30.37	55	90	2.09	1.16	TRANE VCWE W/HIGH CAP COIL	①
VAV-616	12"	-	2750	1600	1600	-	0.39	60.73	55	90	3.52	0.68	TRANE VCWE W/HIGH CAP COIL	
VAV-710	12"	-	2600	1600	1600	-	0.39	60.73	55	90	3.52	0.68	TRANE VCWE W/HIGH CAP COIL	
VAV-711	12"	-	2400	1500	1500	-	0.34	56.94	55	90	3.10	0.53	TRANE VCWE W/HIGH CAP COIL	
VAV-712	5"	-	200	150	150	-	0.23	5.69	55	90	1.00	0.04	TRANE VCWE W/HIGH CAP COIL	
VAV-713	12"	-	2000	600	1200	-	0.19	45.55	55	90	2.87	2.57	TRANE VCWE	
VAV-714	12"	-	2000	400	1000	-	0.19	37.96	55	90	1.79	1.08	TRANE VCWE	
VAV-715	6"	-	500	350	350	-	0.25	13.29	55	90	1.00	1.22	TRANE VCWE	

NOTES: ① THESE VAV BOXES REMOVED AS PART OF ADD ALT. #4.

**NOTE:**  
1. SEE M-001 FOR LEGEND AND ABBREVIATIONS.

0	ISSUED FOR CONSTRUCTION	3-17-03
REV.	DESCRIPTION	DATE

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3-17-03

ARCHITECTURE ENGINEERING PLANNING

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**SCHEDULES**

SHEET TITLE:	SCALE:	NOT TO SCALE	DATE:	3-17-03
PROJECT MANAGER:	SLB	GRAPHIC SCALE:	0" = 1"	
JOB CAP/DRAWN:	CTB/LAC			
A/E OF RECORD:	DBR	SHEET No.		
SMRT CAD FILE:	M-601-99092			
PROJECT No.	99092			<b>M-601</b>